**Unit 9 Map (Molecular Genetics)**

Ms. Ottolini, AP Biology

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| **Topic** | **Learning Target** | **Where did I learn this?**  (What resources should I use to study?) | **How well do I know this?**  (scale of 1 to 3, with 3 indicating a high level of understanding) |
| DNA | 1. I can describe the experiments that led to the modern understanding of DNA  . |  |  |
| 2. I can describe the structure of the DNA molecule. |  |  |
| 3. I can outline the steps involved in DNA replication. |  |  |
| From Gene to Protein | 4. I can outline the steps involved in the conversion of a gene to an mRNA molecule to a protein. |  |  |
| 5. I can compare the types of DNA mutations and their effects on the resulting protein. |  |  |
| Viral and Bacterial Genetics | 6. I can describe how viruses reproduce and recombine their genetic material. |  |  |
| 7. I can describe how bacteria reproduce and recombine their genetic material. |  |  |